### Claims:

- A wireless transceiver system, comprising:
- 2 a processor;
- 3 a memory for storing computer instructions that define
- 4 operational logic of the wireless transceiver system, wherein
- 5 the logic causes the transceiver system to increase or
- 6 decrease transmission power levels by a factor that is
- 7 characterized by the equation of N +  $\Delta$  according to whether a
- 8 data transmission rate is increased or decreased by a factor
- 9 of N and wherein the logic defines the value of  $\Delta$  so that it
- 10 varies according to at least one of detected system
- 11 conditions and system data transmission rates; and
- an internal bus coupled to the processor and the memory
- 13 wherein the processor receives the computer instructions from
- 14 the memory over the bus to execute the computer instructions.
  - 1 2. The wireless transceiver of claim 1 wherein the  $\Delta$
  - 2 value varies according to the amount of change in the data
  - 3 transmission rate.
  - 1 3. The wireless transceiver of claim 2 wherein a first
  - 2  $\Delta$  value relates to an additional amount of power reduction
  - 3 when the amount of change in the data transmission rate is
  - 4 reduced to HALF relative to FULL data transmission rates.

- 1 4. The wireless transceiver of claim 2 wherein a
- 2 second  $\Delta$  value relates to an additional amount of power
- 3 reduction when the amount of change in the data transmission
- 4 rate is reduced to QUARTER relative to FULL data transmission
- 5 rates.
- 1 5. The wireless transceiver of claim 1 wherein the
- 2 delta values vary according to network conditions.
- 1 6. The wireless transceiver of claim 1 comprising a
- 2 base station controller.
- 1 7. The wireless transceiver of claim 1 comprising a
- 2 base station transceiver system.
- 1 8. The wireless transceiver of claim 1 wherein the
- 2 computer instructions define logic for heuristically varying
- 3 the values of  $\Delta$ .
- 1 9. The wireless transceiver of claim 1 wherein the
- 2 computer instructions define logic for varying the values of
- 3  $\Delta$  according to measured Eb/No values on the reverse link.

1	10. The wireless transceiver of claim 1 wherein the
2	computer instructions define logic for varying the values of
3	$\Delta$ according to the frame error rate being realized by the
4	mobile station wherein the mobile station transmits a
5	calculated frame error rate to the base station.

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- 1 11. A method for transmitting communication signals
- 2 from a first wireless transceiver to a second wireless
- 3 transceiver in a code division multiple access network,
- 4 comprising:
- 5 transmitting the communication signals at a first data
- 6 rate and at a first power level; and
- 7 transmitting the communication signals at a second data
- 8 rate and at a second power level wherein a difference in the
- 9 first and second data transmission rates is less than the
- 10 difference in the first and second power levels.
- 1 12. The method of claim 11 wherein the data rate is a
- 2 full data rate and wherein the first power level is a full
- 3 power level.
- 1 13. The method of claim 12 wherein the first data rate
- 2 is 2 times greater than the second data rate and wherein the
- 3 first power level is (2 plus delta one) times greater than
- 4 second power level wherein delta one reflects a first
- 5 additional power level change factor.

- 1 14. The method of claim 12 wherein the first data rate
- 2 is 4 times greater than the second data rate and wherein the
- 3 first power level is (4 plus delta two) times greater than
- 4 second power level wherein delta two reflects a second
- 5 additional power level change factor.
- 1 15. The method of claim 12 wherein the first data rate
- 2 is 8 times greater than the second data rate and wherein the
- 3 first power level is (8 plus delta three) times greater than
- 4 second power level wherein delta three reflects a first
- 5 additional power level change factor.
- 1 16. The method of claim 11 further including the step
- 2 of transmitting a target frame error rating from the first
- 3 transceiver to the second transceiver whereby the second
- 4 transceiver bases its power control processing in part on the
- 5 received frame error rate.
- 1 17. The method of claim 16 wherein one of a first or a
- 2 second target frame error rate is transmitted according to
- 3 network conditions.

- 1 18. The method of claim 17 wherein the first target
- 2 frame error rate is transmitted whenever voice is being
- 3 transmitted.
- 1 19. The method of claim 17 wherein the second target
- 2 frame error rate is transmitted whenever voice is not being
- 3 transmitted.
- 1 20. The method of claim 17 wherein the first target
- 2 frame error rate is transmitted whenever a lull in a
- 3 conversation is detected.
- 1 21. The method of claim 17 wherein the mobile station
- 2 bases its power control commands based upon a first frame
- 3 error rate whenever communication signals are received at
- 4 full power.

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- 1 22. A method for determining whether to transmit power
- 2 up or power down commands, comprising:
- 3 transmitting power up and power down commands according
- 4 to whether a calculated frame error rate for a received
- 5 communication signal is higher or lower than a target frame
- 6 error rate; and
- 7 using one of at least two target frame error rates
- 8 according to a data rate of the received communication
- 9 signals.
- 1 23. The method of claim 22 wherein the first frame
- 2 error rate is approximately equal to one percent.
- 1 24. The method of claim 21 wherein the second frame
- 2 error rate is approximately equal to five percent.